

401 FUNDS - STA

WRU # and HOLDER	SMY	Support MY	Total Salaries	Support Services	Equip.	Other	TOTAL FY 74	Other Support Received	
15400 Hart	1.9	10.0	145,000	30,300	-	-	175,300	1,300	Spec. Fnds.
12370 Hart	.1	1.0	10,282	4,618	-	-	14,900	70,000	NASA
10120 WUTSCHER	2.0	2.25	61,900	4,400	1,000	13,000 <i>Rio Farms</i>	80,300	0	
10080 THOMAS	1.0	1.65	36,800	3,100	-	-	39,900	0	
10240 MENGENS	1.0	2.25	56,300	12,000	2,000	-	70,300	0	
15401 HEALD	.5	1.125	22,200	8,300	-	-	30,500	0	
10860 HEALD	.4	1.0	18,700	1,600	-	-	20,300	0	
12370 HEALD	.1	0.125	3,664	736	-	-	4,400	0	
15640 McDONALD	.6	.6	19,900	1,700	-	-	21,600	0	
15880 McDONALD	.4	.4	13,300	1,000	-	-	14,300	0	
12270 WIEGAND	1.4	4.3	87,600	3,000	300	-	90,900	0	
12280 WIEGAND	1.0	1.2	30,800	3,100	800	-	34,700	0	
12290 WIEGAND	.6	2.5	43,000	4,400	400	-	47,800	0	
12330 WIEGAND	2.5	1.0	137,700	12,400	4,000	-	154,100	35,000	(approx.) Cotton Inc
12370 WIEGAND	3.5	9.4	214,700	1,100	400	-	216,200	202,000	NASA
14370 LIME	1.2	2.6	60,800	8,800	4,000	-	73,600	0	

WRU # and HOLDER	SMY	Support MY	Total Salaries	Support Services	Equip	Other	TOTAL FY 74	Other Support Received	
15600 LIME	3.5	4.5	135,600	18,800	11,000	-	165,400	0	
15750 LIME	1.3	7.3	100,400	11,000	15,500	-	126,900	0	
02010 (MORGAN)			96,600	55,500	1,000	-	153,100	0	
03010 (Taylor)		3.0	75,500	12,800	200	-	88,500	0	
02010 BUSHLAND		1.0	8,000	1,500	-	-	9,500	0	
11990 BUSHLAND	5.0	7.0	194,000	53,000	-	-	247,000	0	
02010 GRAHAM		5.9	58,900	51,400	8,000	-	118,300	5,300	Reimb. APHIS Off
10590 GRAHAM	2.5	4.6	105,400	4,300	-	-	109,700	43,300	Rockfelle
15440 GRAHAM	7.5	24.4	442,700	76,000	1,300	-	520,000	(4,300 (13,800	Spec.Fnds Cotton In
GRAND TOTALS			2,179,746	384,854	49,900	13,000	2,627,500		

U. S. DEPARTMENT OF AGRICULTURE
Agricultural Research Service

For O. H. Hurd &
B. Morgan
Only

Research Recommended for 3.1 Million
House of Representatives Budget Increase

<u>Item</u>	<u>Amount (\$1,000)</u>
Byssinosis	\$ 350
African Bee	200
Forage	390
Citrus Black Fly <i>to replace cont.</i>	80 ✓ <i>1970</i>
Salinity <i>montana</i>	250
Soybeans	150
Meat and Animal Products	1100
Grain Handling	160
Sugar Crops	300
Transportation & Facilities	<u>200</u>
	\$3,180

Emphasis in most items will be on increasing "All Other" support
in view of personnel ceilings.

Senate

6

Points of Interest

The failure of the eradication program in 1972-73 is a matter of concern and alarm to the entire livestock industry. This is of high interest to U. S. Senators and Representatives from the Southwestern States and the Joint U.S.-Mexico Screenshot Eradication Commission.

Proposed Action

Complete review of current research findings and evaluation of a proposed screwworm application research program that will provide sexually aggressive flies for pest production and fully support the expanded eradication program in Mexico.

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United States Department of Agriculture
Agricultural Research Service

*Mr. Day
copy
C. H. Hall*

Description of Event

Field data indicate sterile screwworm flies released in eradication program have low mating competitiveness and are essentially ineffective in eradicating screwworms or at least maintaining fly populations below economic levels.

Anticipated Timing

New application research programs should be implemented ASAP, not later than October, with detail research program review in August or September 1973.

Background

The APHIS screwworm eradication program in the Southwest was not effective in 1972. The program in Arizona is currently in a critical situation. The number of cases that have occurred through June in Arizona exceeds by far the number that occurred by this time in 1972 or in previous years since the program was fully implemented in 1963. Field data from Mexico during the spring of 1973 indicated that massive over-flooding of wild fly population with sterile flies failed to reduce fertility of egg masses below 50%. Preliminary isoenzyme analyses of APHIS mass production stock have indicated a great loss of genetic variability (heterozygosity). Genetic deterioration of laboratory and plant production stocks has affected the quality of released flies as measured by mating competitiveness under field conditions but not the quantity (current plant production exceeds 200 million flies per week).

Source of Interest

The failure of the eradication program in 1972-73 is a matter of concern and alarm to the entire livestock industry. This is of high interest to U. S. Senators and Representatives from the Southwestern States and the Joint U.S.-Mexico Screwworm Eradication Commission.

Proposed Action

Complete review of current research findings and evaluation of a proposed screwworm application research program that will provide sexually aggressive flies for plant production and fully support the expanded eradication program in Mexico.

PROPOSAL FOR EXPANDED ARS APPLICATION
SCHEDULED RESEARCH PROGRAM

Anticipated Consequences

ARS assume the responsibility for the maintenance and production of at least three separate fly strains (brood flies) which would provide eggs for APHIS plant production of release flies. Expand ARS application research program in order that adequate ecological and fly population information will be available in Mexico to support the Joint U.S.-Mexico Eradication Program and expand attractant field studies in the United States and Mexico. Expanded APHIS Eradication Program budget \$16 - \$19 million; ARS current program \$252,000. (See proposed new budget.)

Contacts for Additional Information

E. F. Knipling	Beltsville, MD	PH. (301) 344-3245
W. Klassen	Beltsville, MD	PH. (301) 344-3918
L. S. Henderson	Beltsville, MD	PH. (301) 344-3924
R. C. Bushland	Mission, TX	PH. (512) 585-2783
E. A. Taylor	Weslaco, TX	PH. (512) 968-5913

Date Submitted July 16, 1973

Priority Category	I	Definite
Category	II	Immediate
Category	III	ARS

PROPOSAL FOR EXPANDED ARS APPLICATION
SCREWORM RESEARCH PROGRAM

ARS production of breeding stocks to be supplied daily to APHIS:

1. Have 3 genetically distinct breeding stocks each developed from 20 or more field collected egg masses.
 2. To maintain genetic purity of strains each (designated A, B, and C) reared separately as shown on building sketch.
 3. For breeding stocks to produce 200 million flies weekly, APHIS now eggs 3 million. We will give APHIS 1 million eggs per day--333,000 each of strains A, B, and C. APHIS will rear these eggs to adult and stock rearing cages with equal mixture of A, B, and C pupae--10,000 - 12,000 of each strain. At random mating eggs from these cages will be 1/9 pure A, 1/9 pure B, 1/9 pure C and 2/3 will be AB, AC or BC with hybrid vigor.
 4. To produce ARS eggs we will start stocks each day for strain A (similarly for B and C):
 - 15,000 pupae in standard colony cage
 - Egg when 8 days old;
 - 7,000 females should survive, if only half oviposit;
 - 3500 @ 200 eggs each lay 700,000 eggs. (Quota is 333,000)
- If this margin of safety is inadequate we can increase cage stocks to as high as 35,000 flies.
5. Production facilities should easily be adequate to produce 2 million flies of each strain per week extra capacity for field tests.
 6. A fourth rearing area equivalent to those for the 3 production strains will be used to develop new colonies and to test new procedures. There will be built up reserve strains to be field tested as candidate replacements for production strains. It is anticipated that each production strain will be replaced by a newer strain within 2 years to maintain breeding stocks as nearly wild-type as possible.
 7. Isozyme studies will be used to monitor each generation of production stocks. Isozyme surveys will be indexes of genetic variability of field collections.

New Building and Equipment for Screwworm Breeding Colonies:

New 80 x 80 building for breeding stocks:

(Estimates by Joe Smithey for APHIS force construction)

Building shell -----	\$ 50,000
Electrical, air-conditioning, plumbing -----	\$ 25,000
Total -----	\$ 75,000

Equipment:

Colony cages (APHIS specs.)	36 @ \$530 ea.	-----	\$ 19,080
Rearing vats (APHIS spec.)	21 @ \$130 ea.	-----	\$ 2,730
Vat racks (APHIS spec.)	7 @ \$150 ea.	-----	\$ 1,050
Bacteriological incubators	4 @ \$300 ea.	-----	\$ 1,200
Rearing vats (1/4 size)	12 @ \$ 75 ea.	-----	\$ 900
Pupa holding trays	48 @ \$ 10 ea.	-----	\$ 480
Larva capture pans	56 @ \$10 ea.	-----	\$ 560
Media mixers	4 @ \$300 ea.	-----	\$ 1,200
Refrigerators	4 @ \$250 ea.	-----	\$ 1,000
Total -----			\$ 28,200

Equipment for physiology research:

Bioclimatic cabinets	2 @ \$1700 ea.	-----	\$ 3,400
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Miscellaneous rearing equipment:

Small cages	100 @ \$10 ea.	-----	\$ 1,000
Larva sifters	4 @ \$75 ea.	-----	\$ 300
Larva-pupa separators	4 @ \$100 ea.	-----	\$ 400
Total -----			\$ 1,700

GRAND TOTAL -----	\$108,300
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New Positions for Expanded Application Research for Screwworm:

2 Entomologists GS-12 (Mexico, field) -----	\$ 34,000
1 Entomologist GS-12 (Physiology) -----	\$ 17,000
1 Entomologist GS-12 (Laboratory Rearing)-----	\$ 17,000
1 Biochemist GS-12 (Isozyme studies) -----	\$ 17,000
1 Technician GS-7 (Laboratory rearing) -----	\$ 9,500
3 Technicians GS-5 (Laboratory rearing) -----	\$ 23,400
3 Technicians GS-3 (Laboratory rearing) -----	\$ 18,500
3 Technicians GS-1 (Fly sorting) -----	\$ 15,000
1 Laborer WB-2 (Laboratory Janitor) -----	\$ 5,000
1 Clerk GS-3 (Office) -----	\$ 6,200

17	Total -----	\$162,600
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Travel and Support -----	\$113,400
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Total -----	\$275,000
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Rearing building and equipment -----	\$108,300
(APHIS contribution)	

GRAND TOTAL -----	\$383,300
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APHIS should supply food for larvae and adults and utilities for new building.

Date Submitted: July 16, 1973

UNITED STATES DEPARTMENT OF AGRICULTURE
SCIENCE AND EDUCATION ADMINISTRATION

AGRICULTURAL RESEARCH
SOUTHERN REGION
SUBTROPICAL TEXAS AREA
P. O. Box 267
Weslaco, Texas 78596

January 18, 1980

Subject: Personnel Ceilings

To: E. L. Kendrick, Regional Administrator
Southern Region, SEA/AR - USDA

In response to your memorandum of January 16, 1980, the Subtropical Texas Area submits the following positions for retention under the increased personnel ceiling.

<u>Position Title</u>	<u>NRP</u>	<u>Series/Grade</u>	<u>Location</u>	<u>Priority</u> <u>Regional</u> <u>Headquarters</u>
1. Entomologist, Res. Ldr.	20480	GS-0414-13+	Mission, TX	
High priority for expanded screwworm program in Mexico.				
2. Entomologist (IPM)	20220	GS-0414-9+	Weslaco, TX	
New thrust in IPM for horticultural crops.				
3. Chemist	20060	GS-1320-11+	Brownsville, TX	
Expand basic research cotton germplasm resistant to insects.				
4. Chemist, Res. Ldr.	20840 20520	GS-1320-13+	Weslaco, TX	
Essential for basic research leadership in gasohol support.				
5. Chemical Engr.	20520	GS-0893-11+	Weslaco, TX	
Essential to basic research on continuous fermentation processes.				
6. Bio Chemist	20510	GS-1320-11+	Weslaco, TX	
Redirect to IPM (Hort. Crops) to identify plant pest resistant factors.				
7. Plant Physi- ologist	SRP- (Remote Sensing)	GS-0435-11+	Weslaco, TX	
New funded high priority AgRISTARS (SWAS Plan).				

E. A. Taylor
Area Director

Subject: Entomological contribution to the IPM program in vegetables

To:

In the interest of adequate input of all disciplines involved in the subject program, it is evident that the entomological component needs greater emphasis. This can be most effectively accomplished by utilizing the background and experience of in-house AR personnel who have been successful in pest management research.

This expertise is available at Weslaco. In an effort to maximize the utilization of this expertise I would suggest that L. D. Chandler, who is currently on a cooperative agreement appointment, be given an appointment on the Citrus Insects Staff at Weslaco. This will put Chandler, a very competent young scientist, under direct supervision of W. G. Hart, who has a long background of experience in integrated pest management research.

This is a critical program that needs the maximum involvement of our most experienced personnel if it is to succeed. The above realignment should provide a major step in that direction.

~~William G. Hart~~
~~Research Leader~~

These figures called
in to David Brant
5/12/80 on 9-12-80
Granite Escanell

Increase: *159,600 STA
FY 81

WRU Name	WRU No.	Total in WRU	Total Balance in WRU	% Salary/Other	% WRU/Ann %		9-12-80 Adjustment by EAT	Approved Increase 9-12-80
7202 Warden								
Location	02010	404,300 \$1000	188,700	47%	28%	12000	✓	12,000
Lakeford	20061	92,200	33,900	37%	1.8%	2800	-2800	-
Hart	20220	403,300	307,000	76%	7.8%	12000	+7300	19300
Hart	20222	109,200	81,800	79%	2.0%	3100	-3100	-
Heath (Hynes)	20010	85,100	67,300	79%	1.6%	2500	✓	2500
Heath (Hynes)	20020	60,900	40,100	66%	1.2%	1900	✓	1900
Heath	20270	292,000	100,800	35%	5.7%	8800	-8800	-
Heath	20272	19,800	15,900	80%	0.4%	700	-700	-
Morgan	20280	98,400	95,700	97%	1.8%	2800	+2000	4800
Burton	20580	84,100	26,400	31%	1.6%	2500	+6500	9000
Quinn	20730	94,400	85,400	90%	1.8%	2800	✓	2800
	20740	196,600	163,900	83%	3.8%	5800	+5000	10800
	20761	220,700	210,600	94%	4.4%	6800	+8000	14800
	20762	620,000	350,500	57%	12.0%	18400	-18,400	-
Brown	01010	60,700	45,600	75%	1.2%	1900	+5000	6900
	20510	98,900	80,500	81%	1.9%	2900	✓	2900
	20520	218,600	216,100	99%	4.2%	6500	✓	6500
	20840	84,500	70,600	84%	1.6%	2500	✓	2500
		3,149,700	2,180,800					
7303 Boyle								
Charles & Anne Farm, Maine	01010	58,400	42,500	73%	1.1%	1700	✓	1700
	02010	172,200	81,100	47%	3.3%	5100	✓	5100
Dickey	20061	108,500	93,900	87%	2.1%	3200	✓	3200
INS.	20230	453,700	351,900	78%	8.8%	13500	✓	13500
B.T.	20260	302,200	149,600	50%	5.9%	9100	✓	9100
		1,102,000 32600	719,000					32600
7304 Duxin								
	02010	80,200	28,200	35%	1.6%	2500	+21800	24300
	20480	732,200	386,400	53%	14.2%	21800	-21800	-
		812,400	414,600					
		5,164,100	3,314,400		100%	153600		153600

2002

UNITED STATES DEPARTMENT OF AGRICULTURE
SCIENCE AND EDUCATION ADMINISTRATION

046

AGRICULTURAL RESEARCH
SOUTHERN REGION
OKLAHOMA-TEXAS AREA
F & B ROAD
P.O. BOX EC
COLLEGE STATION, TEXAS 77840

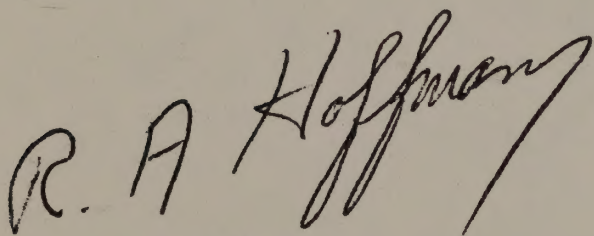
RECEIVED FEB 12 1982

February 10, 1982

SUBJECT: FY 1982 Pay Costs

TO: Research Leaders/Laboratory Directors
Administrative Personnel
Oklahoma-Texas Area

Pay increase costs were budgeted by locations for FY 1982 for all permanent personnel. All additional pay increase costs such as those for temporary employees and the additional increase on wage grade personnel must be covered by existing funds at the location.



R. A. HOFFMAN
Associate Area Director

